

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17601-0043001	Application No. 10/630,345
	Applicant Joseph A. Zupanick		
	Filing Date July 29, 2003	Group Art Unit 3672	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A1	2006/0000607 A1	01/05/2006	Surjaatmadja et al.			
	A2						
	A3						
	A4						
	A5						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	B1	CN 2248254Y	02/26/1997	China			X	
	B2							
	B3							
	B4							
	B5							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	C1	Website: http://biz.yahoo.com/bw/080602/20080602006520.html?_v=1&printer=1 , Press Release, CDX Gas Settles Patent Litigation With CNX Gas, Monday, June 2, 2008, 5:00 p.m. ET, printed June 4, 2008 (2 pages)
	C2	Communication of Partial European Search Report (1 page), Partial European Search Report (2 pages), Lack of Unity of Invention Sheet B (2 pages) and Annex to the European Search Report (1 page) for Application Number EP 07 02 1409 dated August 6, 2008
	C3	T. Beims and C. Strunk, "Capital, Technology Suppliers Pulling New Tricks From The Hat As Industry Hits High Gear," The American Oil & Gas Reporter, March 1997 (8 pages)
	C4	B. Campbell, "Directional Driller Discovers Future in Technology," The American Oil & Gas Reporter, July 1991 (4 pages)
	C5	"Economic Justification And Modeling of Multilateral Wells," in "Multilateral Technology: Taking Horizontal Wells to the Next Level" – a supplement to Hart's Petroleum Engineer, International, 1997 (5 pages)
	C6	R. Gardes, "New Radial Drilling Technology Applied To Recovering Cores," The American Oil & Gas Reporter, April 1993 (5 pages)
	C7	Gardes Energy Services, Inc., Map of Drilled Well Locations (1 page)
	C8	"Gardes Drilling redefines improved recovery," Improved Recovery Week, Vol. 1, No. 21, July 1992 (3 pages)

Examiner Signature	Date Considered
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	C9	R. Gardes, "Micro-Annulus Underbalanced Drilling of Multilaterals," 4 th Annual North American Conference on Coiled Tubing, February 5-6, 1996 (23 pages)
	C10	R. Gardes, "The Evolution of Horizontal Multi-Lateral Underbalanced Drilling Technology," Society of Independent Professional Earth Scientists Newsletter, Vol. 38, August 2000 (3 pages)
	C11	R. Gardes, "Underbalanced Drilling of Multilateral Horizontal Wells, 8 th Annual International Conference on Horizontal Well Technologies & Applications, September 9-11, 1996 (7 pages)
	C12	"Lafayette firm set to do business with Soviet Union," Advertiser, Lafayette, La, August 1990 (1 page)
	C13	L. LeBlanc, "Beyond extended-read, horizontal drilling?," Drilling & Production, May 1992 (1 page)
	C14	"Local firm signs contract to develop Soviet fields," The Daily Advertiser, December (1 page)
	C15	"History Repeats Itself: Multilateral Technology Development Parallels That of Horizontal Wells," in "Multilateral Technology: Taking Horizontal Wells to the Next Level" – a supplement to Hart's Petroleum Engineer International, (5 pages)
	C16	"New Enabling Technologies Spur Multilateral Use," in "Multilateral Technology: Taking Horizontal Wells to the Next Level" – a supplement to Hart's Petroleum Engineer International, (5 pages)
	C17	"New tools, techniques reduce high-angle drilling costs," Offshore, November 1989 (3 pages)
	C18	R. Gardes, "Micro-annulus under-balanced drilling of multilateral wells," Offshore, May 1996 (4 pages)
	C19	"Multiple directional wells from single borehole developed," Offshore, reprint from July 1989 (4 pages)
	C20	"Soviet joint venture pace continues to sizzle," Oil & Gas Journal, week of June 25, 1990 (3 pages)
	C21	"Operators Team Up To Climb Learning Curve Together," in "Multilateral Technology: Taking Horizontal Wells to the Next Level" – a supplement to Hart's Petroleum Engineer International (4 pages)
	C22	"Radial Coring Reduces Sample Contamination, Evaluates Old Wells," Hart's Petroleum Engineer International, June 1994 (4 pages)
	C23	"The Fate of Award Winners Is A Credit To Their Judges," Hart's Petroleum Engineer International, April 1996 (3 pages)
	C24	S. R. Reeves and S. H. Stevens, "CO ₂ Sequestration," World Coal, December 2000 (4 pages)
	C25	"Successful Completions Raise Operators' Confidence," in "Multilateral Technology: Taking Horizontal Wells to the Next Level" – a supplement to Hart's Petroleum Engineer International (5 pages)

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